

20010129.qrp v02_n082.qrl.20010129

Date: Mon, 29 Jan 2001 19:03:14 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2082

QRP-L Digest 2082

Topics covered in this issue include:

- 1) [90050] Re: List of WPE QRPers
by Doug <doug@ycsi.net>
- 2) [90051] Re: Small Wonder Labs DSW-20 Sold
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 3) [90052] OP:Is it QRP?
by "Richard Matthews" <prm@hiwaay.net>
- 4) [90053] Digest subscribers
by JClinton46@aol.com
- 5) [90054] FYBO Info Please
by "Joel Kluender, NF9K" <nf9k@eudoramail.com>
- 6) [90055] PSK31 adjustments using a 'scope?
by Rohn Blake <rohn@pubrats.com>
- 7) [90056] 160M contest
by Bob Kellogg <ae4ic@nr.infi.net>
- 8) [90057] KL Net 1/29/01
by "Randy Hargenrader" <randyh@harksystems.com>
- 9) [90058] 160 meter Contest
by wa4dou@excite.com
- 10) [90059] CQ WW 160 Results
by "Adrian Weiss" <aweiss@usd.edu>
- 11) [90060] Club News
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 12) [90061] Radio Engineer
by "George Lee" <georgekr5c@cablelynx.com>
- 13) [90062] Re: List of WPE QRPers
by rich a <rckchp@home.com>
- 14) [90063] For Sale: Oak Hills Research OHR100A 20 meter
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 15) [90064] Re: Charging Multiple Gel Cells
by "Leon Heller" <leon_heller@hotmail.com>
- 16) [90065] Good winter (or summer) reading
by "Tom Bowman" <tbowman@nbn.net>
- 17) [90066] Re: PSK31 adjustments using a 'scope?
by "Karl F. Larsen" <k5di@zianet.com>
- 18) [90067] Fwd: [Pro2006] FS 2006 w/acc.
by "Stuart Satrun" <kc8lah@hotmail.com>
- 19) [90068] Stockton meter/Power meter/SWR & Leistungsmesser

- by Nils R Young <nilsbull@juno.com>
- 20) [90069] RE: Is it QRP?
by "AI2Q Alex" <ai2q@adelphia.net>
- 21) [90070] Re: Charging Multiple Gel Cells
by John Sullivan <kg0mz@swbell.net>
- 22) [90071] Re: Charging Multiple Gel Cells
by "ZOOM" <kandrparker@sympatico.ca>
- 23) [90072] Estate Tubes
by k1oj <k1oj@ditdit.com>
- 24) [90073] ZM-2 ATU Help
by KF4YYD@aol.com
- 25) [90074] Re: bilfilar winding questions
by "Rod Cerkoney" <n0rc@hotmail.com>
- 26) [90075] RE: 30 Metres
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
- 27) [90076] Another fine QRP SSB day for CQing....
by ed.kwik@delphiauto.com
- 28) [90077] QRP Kits:
by "Gene Sailsbury" <gsailsbury@mobil1.net>
- 29) [90078] WTB:Kenwood 850
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 30) [90079] Re: QRP Kits:
by Phil Wheeler <w7ox@earthlink.net>
- 31) [90080] QRP Kits:
by "Gene Sailsbury" <gsailsbury@mobil1.net>
- 32) [90081] Re: Low Pass PA Filters--Teach Me
by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
- 33) [90082] FOX: Hunt #29 Final Log.... KI0II
by "Zoerb, Ron" <Zoerb.Ron@broadband.att.com>
- 34) [90083] Who do I ask about subscription problems for QRPP??
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 35) [90084] Re: Low Pass PA Filters--Teach Me
by "Rod Cerkoney" <n0rc@hotmail.com>
- 36) [90085] Re: PSK31 adjustments using a 'scope?
by "Robert M. Kimbrell" <kimbrell@sdf.lonestar.org>
- 37) [90086] Re: QRP Kits:
by RangerSF5@aol.com
- 38) [90087] Re: QRP Kits:
by Phil Wheeler <w7ox@earthlink.net>
- 39) [90088] The Sierra and the DL QRP PA (long)
by Rick Robinson <rerobins@email.uncc.edu>
- 40) [90089] Good price on solar panels
by Jeff <fantbb@yahoo.com>
- 41) [90090] QRP PCB help
by "Tom Dufresne" <tdufres@hotmail.com>
- 42) [90091] Fox: Fox #30 Announcement Second Reminder
by Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
- 43) [90092] Re: [fpqrp] Low Pass PA Filters--Teach Me

by W2SH@aol.com

44) [90093] Re: QRP PCB help
by "George, W5YR" <w5yr@att.net>

45) [90094] QRP Forums
by "Doug Hendricks" <ki6ds@dph.dpol.net>

46) [90095] Re: QRP Kits:
by Rick Robinson <rerobins@email.uncc.edu>

47) [90096] Interesting Opportunity
by "Brad Hernlem" <alihernlem@hotmail.com>

48) [90097] Re: QRP PCB help
by "ZOOM" <kandrparker@sympatico.ca>

49) [90098] Re: QRP PCB help
by "Robert Friess" <rfriess@attglobal.net>

50) [90099] Re: Who do I ask about subscription problems for QRPP??
by alan.kaul@att.net

51) [90100] Klunky Guide
by <wd9eyb@butler.qrp.com>

52) [90101] Re: Who do I ask about subscription problems for QRPP??
by "Doug Hendricks" <ki6ds@dph.dpol.net>

53) [90102] Re:ZM-2ATU Help
by "Tom K" <kkleiner@megsinet.net>

54) [90103] More Atlanticon Speakers!!!!!!
by "Doug Hendricks" <ki6ds@dph.dpol.net>

55) [90104] Sold Re: For Sale: Oak Hills Research OHR100A 20 meter
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>

56) [90105] Antenna primer (was QRPP)
by Stephen M Smith <sigcom@juno.com>

57) [90106] K2 reciever performance
by Dan Presley <talljazz@teleport.com>

58) [90107] Re: QRP Forums
by Bruce Muscolino <w6toy@erols.com>

59) [90108] Re: QRP PCB help
by Bruce Muscolino <w6toy@erols.com>

60) [90109] For Sale: Oak Hills Research OHR100 40 meter
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>

61) [90110] 6 Meter QRP freq
by Ray Sills <raysills@1stconnect.com>

62) [90111] [PROP] Rocky HF next 2 days
by "Paul Harden, NA5N" <na5n@rt66.com>

63) [90112] FS QRP rigs
by RangerSF5@aol.com

Date: Sun, 28 Jan 2001 17:23:45 -0700
From: Doug <doug@ycsi.net>
To: ki3r@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [90050] Re: List of WPE QRPers
Message-ID: <3A74B810.BEFD36D3@ycsi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

OK.....been reading all the WPE stories, gotta tell mine.

I had WPE7BCS, put the certificate in a frame hanging on the wall of my shack. First rcvr was the 40 meter version of the ARC5. Thought I'd died and gone to Heaven when I got a confirmation from Radio Havana, along with many sheets of Castro's doctrine written in tiny print. I'm sure they thought I was going to read ALL that stuff. But, best QSL was from Radio Peking, along with little box of propaganda and one of Mao's little "Red Books". Still got that stuff some where, but never partook.

First call was KN7YDD, and I too built the 6L6 rig, but used a 6V6 because I couldnt afford a new tube. It worked great, but got a visit from two grey haired gentlemen who were very helpful, telling me that my signal on 20 was as good as the one on 40 (7168 crystal), so we spent a couple nights at one fellow's shack and got the bugs out of the little rig, plus cut the power back some by raising the value of the screen resistor. 4 watts was about all it could do and stay stable. But sure was fun.

Best to all

73/72

Doug, K7YD
Livingston, MT

Tom Popovic wrote:

> Yep but I used a 6F6 73 Tom KI3R
> --- Bruce Rattray <rattray@gpfn.sk.ca> wrote:
> > Hi Art...was that xmtr from PE a 6L6 with a tapped
> > coil?...if so I bilt it
> > also to first get on the air while living in
> > Ontario...I am gathering the
> > parts to build it again and putit on the air.....
> >
> > ..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886
> > ARCI#9683 Zombie#272
> > A-1 Operator Club - 10/10# 944 - SOC #11 &
> > #12 - Whiner#10 -

> > "QRP! How sweet it is!" oo#148 "I am da
> > man wit "DAH" paddle!"
> >
> > On Fri, 26 Jan 2001, Tom Popovic wrote:
> >
> > > WPE3EYY now KI3R Tom Port Vue Pa. nr Pittsburgh
> > > I build my first xmtr from a PE article. I
> > > called CQ for about a week and got a fellow
> > ...WN3DOD
> > > who was about 3 miles from me. What an
> > achievement
> > > ... gave me a 324 report about a week later I
> > got
> > > an 00 notice clear from Oregon regarding the nasty
> > > signal. Boy that 00 report was like gold to me.
> > I
> > > showed it to everyone to show something I built
> > made
> > > it that far ... no mind to the nasty signal. 73
> > Tom
> > > KI3R Port Vue Pa.
> > > --- KB7WW Art Moe <kb7ww@chatusa.com> wrote:
> > > >
> > > >
> > > >
> > > > Then: Now:
> > > >
> > > > WPE7AXB KB7WW
> > > >
> > > >
> > > > This will help date some of us !! No, not dinner
> > and
> > > > a movie type of date.
> > > >
> > > >
> > > > Art
> > > > KB7WW
> > >
> > >
> > > =====
> > > The common good was the claim and justification of
> > every
> > > tyranny ever established over men. Every major
> > horror of
> > > history was committed in the name of altruistic
> > motive...
> > > Actors change, but the course of the tragedy
> > remains the

> > > same. Ayn Rand 1943
> > >
> > > -----
> > > Do You Yahoo!?
> > > Yahoo! Auctions - Buy the things you want at great
> > prices.
> > > <http://auctions.yahoo.com/>
> > >
> >
>
> =====
> The common good was the claim and justification of every
> tyranny ever established over men. Every major horror of
> history was committed in the name of altruistic motive...
> Actors change, but the course of the tragedy remains the
> same. Ayn Rand 1943
>
> -----
> Do You Yahoo!?
> Yahoo! Auctions - Buy the things you want at great prices.
> <http://auctions.yahoo.com/>

Date: Sun, 28 Jan 2001 15:26:29 -0900
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [90051] Re: Small Wonder Labs DSW-20 Sold
Message-ID: <3A74B8B5.D49336CC@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The DSW-20 is sold. I will hang on to the extra potential buyers if needed.

Thanks,

Jim
Jim Larsen, AL7FS, Anchorage, Alaska
(BP51cc) - 61.101 North, 149.824 West
<http://www.qsl.net/al7fs/>

Jim Larsen AL7FS wrote:

>
> I have a blue case DSW-20 for sale.

--

Date: Mon, 29 Jan 2001 01:01:07 -0000
From: "Richard Matthews" <prm@hiwaay.net>
To: "q" <qrp-1@Lehigh.edu>
Subject: [90052] OP:Is it QRP?
Message-ID: <000901c0898e\$fa7e0ca0\$6f85150c@scottsboro.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

We QRPers like the disadvantage and challenge of operating at very lower wattage . . right? We like making contacts using less, even though many times those contacts are marginal and sometimes can't be sustained for very long.

Now along comes PSK31 and a QRP station can jump in and have hour long QSO's with little effort and even though other ops say, "Wow, just three watts", we know this is like catching fish out of a barrel . . .is this really QRP?

It may be that QRP designations should be redrawn for PSK work and set . 5 watts as the QRP level.

I'm just joshing , so please no flames, but this is easy . . . but fun . My Warbler QRP PSK contacts last as long as I want them too, I'm not straining my ears to stay in the QSO, and the other ops still get a kick out of working a station feeding peanut power into a piece of wire and calling himself a QRPper. . . . I'm getting kicks out of it too.

I have not put my Warbler in a case yet but have screwed it to the underside of a shelf over my op area with the connections facing me. I leave it unplugged untill I want to go on 80 meter PSK then in about 15 seconds I can have the connections made and be sending CQ. I use the same connections to put my 20 meters PSK-20 online but it is in a case.

I've been setting here in the shack with ine eye on the Super bowl . . nothing QRP about those guys.

73

Richard WA4NWW

Date: Sun, 28 Jan 2001 20:03:35 EST
From: JClinton46@aol.com
To: qrp-l@lehigh.edu (Low Power Amateur Radio Discussion)
Subject: [90053] Digest subscribers
Message-ID: <f5.6ec65f9.27a61b67@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Digest subscribers, have any of you experienced missing/late digests over the last week or so? Within the last 5 days I have missed 2 days and had another arrive about 4 hours later than normal. I usually receive the digest each day between 7 and 7:30PM EST. I am trying to determine if QRP-L or my ISP is the problem.

Please reply directly to keep down bandwidth. I will summarize to the list if relevant.

73,
Clint Poss
KE4FDT

Date: Sun, 28 Jan 2001 19:22:20 -0600
From: "Joel Kluender, NF9K" <nf9k@eudoramail.com>
To: qrp-l@lehigh.edu
Subject: [90054] FYBO Info Please
Message-ID: <MFOLIHKKCHEDAAA@shared1-mail.whowhere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

All,

Somehow I missed the FYBO announcement. Not hard to do in digest mode. Could someone please pass on the rules or a link to the rules on the web?

Thanks in advance,
Joel NF9K

Joel Kluender, NF9K
870 Prairie Street S.
Shakopee, MN 55379

"All men are like grass, and all their glory is
like the flowers of the field; the grass

withers and the flowers fall, but the word of
the Lord stands forever." (I Peter 1:24-25)

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<http://www.eudoramail.com>

Date: Sun, 28 Jan 2001 21:03:11 -0500 (EST)
From: Rohn Blake <rohn@pubrats.com>
To: qrp-1@lehigh.edu
Subject: [90055] PSK31 adjustments using a 'scope?
Message-ID: <Pine.LNX.4.10.10101282057350.18213-100000@tavern.pubrats.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I claim complete and absolute ignorance on this. Can someone give me some
explanation (talk to me like I'm four) or point me to a web resource
maybe?

I've got access to a 15MHz dual trace oscilloscope (Tektronix T922), but
no probes. Can I use this to view my PSK31 "something" and what would I be
wanting to find and adjust for optimal?

I really am clueless on this, but *very* excited at the chance to play
with another new toy!

Thanks in advance, and very 72/3!
de Rohn, KR0HN

Date: Sun, 28 Jan 2001 21:50:55 -0500
From: Bob Kellogg <ae4ic@nr.infi.net>
To: KLQRP Reflector <klqrp@applegate.org>, Low Power Amateur Radio Discussion
<qrp-1@Lehigh.EDU>
Subject: [90056] 160M contest
Message-ID: <3A74DA8F.4036725A@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Well, that was fun! I worked the 160M contest this weekend with my K2 and all-band horizontal loop. The loop loaded on 160 OK with the K2 autotuner.

In a little over 6 hours, I worked 94 stations and 34 sections. For the first time, I found several stations that I could hear well, but they couldn't copy me. Top Band is prone to noise, and you could tell it. I heard CA, WA, OR, but couldn't work them. Haven't done the paperwork, yet, but I think I scored something over 30,000.

QSO rate was about 15 per hour. Not so hot, for hunt and pounce, but much better than 4 per hour like it was a few years ago!

Heard friend N4BP banging away in FL, and tried at least once each night to work him, but he never heard me. Did work some stations that I suspect were QRP.

--

73,

Bob Kellogg, AE4IC, Greensboro, NC
Prolobly, not nececelery. - Benny Hill

Date: Sun, 28 Jan 2001 22:31:22 -0500
From: "Randy Hargenrader" <randyh@harksystems.com>
To: "KLQRP" <klqrp@applegate.org>
Cc: <qrp-1@lehigh.edu>
Subject: [90057] KL Net 1/29/01
Message-ID: <001101c089a4\$11ea8d40\$4eb4f7a5@randy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The weekly KnightLite QRP net was held despite an interesting (?) Super Bowl. Here are the results:

QNI:

AE4IC Bob, reported on his 160mr contest results
AF4I Derek checked in with 100mW
AA4XX Paul checked in using a SMiTe at 200mW
N4HAY Dick checked in using his SMiTe also
K1CL Chuck got in just before the net closed.
AB4PP JP got a "belated QNI" after he nabbed me a bit later after the net.

The Knightllites meet at 9pm eastern time Sunday nights
on 3.686.4MHz. All stations are welcome!

72,
Randy WJ4P

Date: Sun, 28 Jan 2001 20:14:28 -0800 (PST)
From: wa4dou@excite.com
To: qrp-l@lehigh.edu
Subject: [90058] 160 meter Contest
Message-ID: <26983935.980741670948.JavaMail.imal@seamore.excite.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

How many of us who work in radio communications haven't looked longingly at the tower/towers we're exposed to and wondered how we might press them into amateur service in some way? For years, i've thought about doing just that on 160 meters.

Well, i did it, over the weekend. My antenna was a "sloper" hung 190 ft. high off the east-north east side of one several hundred feet higher. Running 25 watts output and only on for the second night of the contest (Sat.), i operated for about 10 hours. I worked 163 or 164 stations in about 44 or 45 multipliers. 38 of them were states, several were in the Caribbean, and 2 were in Europe.

I have absolutely no way of characterizing this experience since this was my first time ever on 160 (in almost 40 years as a ham)but it was fun and clearly is different, even from 80 meters.

Apparently noise is an even bigger problem than on 80, and is present even in winter, perhaps reduced compared to summer.

Successful qrp'ers on 160 have their work cut out for them.

73 de Roy WA4DOU

Send a cool gift with your E-Card
<http://www.bluemountain.com/giftcenter/>

Date: Mon, 29 Jan 2001 06:25:56 GMT
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-1@lehigh.edu
Subject: [90059] CQ WW 160 Results
Message-ID: <G7WPJL02.68Q@mail.usd.edu>

Hi gang:

I had a great time in the 160 contest but ran out of steam early -- 0130 Sun morning local time. The main problem was a stiff neck and headache from continually turning 90-deg to check the computer screen for dupes and for logging. Then too, I wasn't finding stns that I hadn't worked, so, when I stumbled onto a NE stn and worked him, that was time to cash it in.

I had a total of 172 QSOs, of which 113 were worked the first night. Used the Sierra at 2.5-3w, with my G5RV configured as top-loaded vertical.

Worked 42 states -- I missed KH6, KL7, LA, MS, VT, AL, SD, and RI. I called KH6CC several times but no luck. I called KS1J in RI about 100 times across the test, but no luck. Didn't hear the rest. Best QSO -- I called CQ a couple of times down around 1803 and this nice strong sig came back signing VP5F!!! Boy, that's a switch! The DX calling ME on 160! Worked Doc K0EVZ early on an he was running'em. W3TS's secret is as yet undiscovered -- how can he be minimum 56 to actual 59 in SD all the time? I got to thinking that maybe there's a remotely controlled relay stn somewhere in IL and that's why.... but that's star wars stuff...

Neat thing about being a rare state are the expressions of gratitude -- like the CA about 1230am local sending "tnx tnx last one." Amazingly, I worked about 8 CA's, but 14 TX's! Two DE's -- figure that out.

I got a late start -- temp went up to 25F Wed so I started laying my ft radials. Got to 17 and lights went out. Thurs. was like 8F and a 25mph wind -- snow mobile suit stuff. By the time I got out another 8, I just quit -- too cold. Interestingly, last year I trimmed my linear loading twinlead with 75ft of RG213 coax becoming the radiator. This year, it was replaced by 75ft of 450ohm ladder line, of which about 12 ft was laying horizontally across the roof frozen into a 3-inch layer of snow. Whether that did it or not, the system resonated at around 1785kHz -- about 30kHz lower than last year. I had about 7 more radials (30 total) in stock, but decided another 7 wasn't going to raise my sig that much!

The band was in fine condx. Again, as usual, only a few east coast stns coming in, W3TS among them and about 8 NY and 5 NJ. Seems there are skip dead zones. Worked seaboard DE MD VA NC SC FL and GA, but maybe no AL or LA or MS on. Work everything to the west.

I hope everyone who got into the test had a great time.!

72, Ade

Date: Mon, 29 Jan 2001 16:02:44 +1100
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Flying Pigs <fpqrp-1@mpna.com>, "glowbugs@piobaire.mines.uidaho.edu" <glowbugs@piobaire.mines.uidaho.edu>, "GQRP@onelist.com" <GQRP@onelist.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, Amps <amps@contesting.com>
Subject: [90060] Club News
Message-ID: <3A74F974.62A75297@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: quoted-printable

My monthly newsletter due out in a few days has this month a vacant spot under the category:

"Club News"

- first in best served.

72/73's

Ian Purdie
"I believe Australia is the best address on earth"
Budgewoi N.S.W. Australia - Co-ords S33=B014', E151=B034'
My FREE Newsletter: <http://www.electronics-tutorials.com/subscribe.htm>
VK2TIP "I'll give ya the TIP mate" QRP-L #1978. SOC #171 FP#91
URL - <http://www.electronics-tutorials.com/>

Date: Sun, 28 Jan 2001 23:25:02 -0600
From: "George Lee" <georgekr5c@cablelynx.com>

To: <qrp-1@Lehigh.EDU>
Subject: [90061] Radio Engineer
Message-ID: <002f01c089b3\$dff80aa0\$690acc18@cablelynx.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>From an old QSL card salesman W6GFY

" A RADIO ENGINEER" is a person who passes an an exacting expert on the basis of being able to turn out with prolific fortitude infinite things of incomprehensible formulae calculated with micromatic precision from vague assumptions which are based on debatable figures taken from inconclusive experiments carried out with instruments of problematical accuracy by persons of doubtful reliability and questionable mentality for the avowed purpose of annoying and confounding a hopeless group of esoteric fanatics referred to altogether too frequently as "PRACTICAL RADIOMEN"

With deepest sympathy
VanW6GFY

Thought a little humor would be good. Sri if I offend anyone.

George KR5C

Date: Mon, 29 Jan 2001 00:47:47 -0500
From: rich a <rckchp@home.com>
To: doug@ycsi.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [90062] Re: List of WPE QRPers
Message-ID: <3A750403.FA28FE5@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Doug wrote:

>
>
> First call was KN7YDD, and I too built the 6L6 rig, but used a 6V6
> because I couldnt afford a new tube. It worked great, but got a visit
> from two grey haired gentlemen who were very helpful, telling me that
> my signal on 20 was as good as the one on 40 (7168 crystal), so we
> spent a couple nights at one fellow's shack and got the bugs out of the
> little rig, plus cut the power back some by raising the value of the screen

> resistor. 4 watts was about all it could do and stay stable. But sure
> was fun.
>
> Best to all
>
> 73/72
>
> Doug, K7YD
> Livingston, MT

As a teen I also built my first xmitter using a 6L6..... never got to use it long enough to make contacts.....it wiped out the household TV sets so bad that my Mom took me to the local electronics/ham store and bought me a used Knight-Kit T-50 (\$25.00 in 1961), but she did require me to pay her back from my lawncutting earnings. Later, when she saw that the radio hobby was keeping me off the streets (and out of trouble) she surprised me with a brand new Hammarlund HQ-145 reciever on my birthday. If I remember right, it cost approx \$225.00 in 1961, a lot of money in those days.....what a Mom!

Rich KB2CPE

Date: Sun, 28 Jan 2001 20:52:03 -0900
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>
Subject: [90063] For Sale: Oak Hills Research OHR100A 20 meter
Message-ID: <3A750503.2E94ECDC@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

For Sale Oak Hills Research OHR100A 20 meter, \$95 plus shipping. This is \$35 off of the kit price. This rig works great and is the one I have been taking to the Lower 48 to use when traveling.

Details:

Full Details and a picture of this model radio are found at
<http://www.ohr.com/ohr100a.htm>

The OHR 100A CW Transceiver Kit \$129.95

The Oak Hills Research OHR 100A single band, 5 watt, CW transceiver kit. IF bandwidth front-panel adjustable from 1200Hz down to 400Hz. RIT with a range of 1KHz, Four pole crystal IF filter. Can be aligned to

cover 70Khz in a fairly wide band. The completed transceiver measures (HWD) 2 1/2" x 6" x 6" and weighs 24 oz.

Thanks.

73, Jim

--

Jim Larsen, AL7FS, Anchorage, Alaska
(BP51cc) - 61.101 North, 149.824 West
<http://www.qsl.net/al7fs/>

Date: Mon, 29 Jan 2001 09:08:16
From: "Leon Heller" <leon_heller@hotmail.com>
To: baltimoremd@baltimoremd.com, qrp-1@Lehigh.EDU
Subject: [90064] Re: Charging Multiple Gel Cells
Message-ID: <F211srAX0VQIZv0R1Cm00002926@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>
>Wonder if there is a simple way to charge multiple gel cells?
>
>I was given an emergency light that comes on when the ac disappears, and
>it is powered by a gel cell with a charge circuitry.
>
>Yes, I could swap out the batteries...but I'd love to have a way to
>keep them all charged.
>
>Any hints?
>

You really need a separate charger for each battery, it's not a good idea to simply charge them in parallel. The cheapest way would be a single mains supply and separate charger circuits using the charger chips that are available - I think Telefunken make one - for each of the batteries.

73, Leon

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Date: Mon, 29 Jan 2001 07:54:21 -0500
From: "Tom Bowman" <tbowman@nbn.net>

To: <qrp-1@lehigh.edu>
Subject: [90065] Good winter (or summer) reading
Message-ID: <LPBBKNNCCFBPAKMPADLJOEACFHAA.tbowman@nbn.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

Just picked up a copy of Radio Projects for the Amateur by
Drew
Diamond, VK3XU.
The book is filled with receiver and transmitter projects of
a QRP
nature plus
a few test instruments. Diamond's writing is clear and his
comments
alone are
worth the price.

Diamond is from Australia which makes me wonder what other
non-U.S.
QRP
books like this I have been missing....

Take my word, this 130 page book should sit next to QRP
Power on
everyone's
shelf.

The book is published by The G QRP Club and I bought my copy
through
Bill Kelsey - N8ET - Kanga US [mailto:kanga@bright.net] for
\$12 plus
\$3 shipping.

Check it out.

73,

Tom, WA3REY

Tom Bowman, WA3REY, QRP-125, Mt. Gretna, PA 17064

-----BEGIN PGP SIGNATURE-----

Version: PGPfreeware 6.5.8 for non-commercial use
<<http://www.pgp.com>>

iQA/AwUBOnVn4AwuoTA4DRgZEqKdAwCg36+A4YgZ33LPi/DZQh44KPW17ckA
oMNG
HACqcziNIn5WcATTKVsBimb3
=ttMt
-----END PGP SIGNATURE-----

Date: Mon, 29 Jan 2001 06:05:03 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Rohn Blake <rohn@pubrats.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [90066] Re: PSK31 adjustments using a 'scope?
Message-ID: <Pine.LNX.4.31.0101290556590.787-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Don't get out the scope Rohn. Make sure you have a meter on the power output of your rig. It doesn't need to be accurate. On a clear frequency tune your radio to full output. When that is done switch to ssb and turn on your PSK31. Watching the power output adjust the volume of the signal into the radio's mike input until the power output is 1/2 of full output. Or 5 watts if your a QRP station.

This takes some time and work but now the old timers will complement you on a clean station and DX will call YOU!

On Sun, 28 Jan 2001, Rohn Blake wrote:

> I claim complete and absolute ignorance on this. Can someone give me some
> explanation (talk to me like I'm four) or point me to a web resource
> maybe?
>
> I've got access to a 15MHz dual trace oscilloscope (Tektronix T922), but
> no probes. Can I use this to view my PSK31 "something" and what would I be
> wanting to find and adjust for optimal?
>
> I really am clueless on this, but *very* excited at the chance to play
> with another new toy!
>
> Thanks in advance, and very 72/3!
> de Rohn, KR0HN
>

>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Mon, 29 Jan 2001 14:24:18 -0000
From: "Stuart Satrun" <kc8lah@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [90067] Fwd: [Pro2006] FS 2006 w/acc.
Message-ID: <LAW2-F126obpLiPJ9Sv000025ec@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Stuart Satrun" <kc8lah@hotmail.com>
>Reply-To: pro2006@qth.net
>To: pro2006@qth.net
>Subject: [Pro2006] FS 2006 w/acc.
>Date: Mon, 29 Jan 2001 04:59:38 -0000
>
>Hi...
>I have a 2006 in very good condition..not hacked../.for sale with
>service manual, user manual, spare el and audio chip (both new)..
>\$325 OBO USPS Money order..shipped Con US.
>reply off line.
>Stu Satrun
>St.Clair Shores, MI
>
>-----
>Get your FREE download of MSN Explorer at <http://explorer.msn.com>
>
>
>---
>Submissions pro2006@qth.net
>Removal majordomo@qth.net

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Mon, 29 Jan 2001 09:54:17 -0500
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [90068] Stockton meter/Power meter/SWR & Leistungsmesser
Message-ID: <20010129.095423.-162517.0.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Gang,

I'm still lookin' for the SPRAT issue with the "Stockton" meter in it, but I've seen the circuit a couple dozen times here & there. Like in the 3-2000 issue of "QRP Report" (pg 4-6) and in the Oct 2000 edition of "QRP Quarterly" (pg 48-51). In the original circuit & in the German article there are two meters. In Steve Weber's article in QQ there is only one meter.

I'm getting ready to build one of these puppies (having too much fun nulling out the standard SWR bridge with one toroid on 160 m, plus the usual diode/frequency problems) and have to wonder if I really need two meters.

It ain't like I can't put two meters in the intended box. It's just that I can make life real simple by using one meter & thus not having to go through the rehash of meter holes in the front panel &c. If I don't have to put two meters in, it'll be a lot easier.

And you know me: ol'-lazy-just-enough-to-do-the-job-Young. Lookin' for an easy out . . .

73

Nils

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes
Sonrientes
<http://w8ijn.www6.50megs.com> -- W8IJN --
<http://members.fortunecity.com/nilsbull>
In my day you had to FIGHT to have digits! Every DAY was a STRUGGLE!
--- Comrade Nikolai Sergeevich McTovarishov

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 29 Jan 2001 09:43:28 -0500
From: "AI2Q Alex" <ai2q@adelphia.net>
To: <prm@hiwaay.net>, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [90069] RE: Is it QRP?
Message-ID: <000101c08a01\$d7afd8c0\$7e0af618@knbunk.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Say Richard:

You wrote:

>Now along comes PSK31 and a QRP station can jump in and have hour long
QS0's
>with little effort and even though other ops say, "Wow, just three watts",
>we know this is like catching fish out of a barrel . . .is this really QRP?

I'd like to add that PSK31 has no corner on QRP.

Back in the mid-1980s I was one of the first stations to work with G3PLX's new AMTOR mode. My main rig was entirely too slow for the ack-nack on-the-air handshake (in AMTOR the turn-around time budget affects the distance you cover). So, naturally, I turned to my trusty Ten-Tec Argonaut 515.

It worked so very well--and silently, as opposed to the clunking relays in my other rig. Also I typically ran only 3 watts, and used a hidden end-fed wire just outside the window in my cliff dwelling. Howverr, there weere many time when print was contionuous even though the received signal had faded off the 'scope and was no longer audible either.

I miss AMTOR. Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

Date: Mon, 29 Jan 2001 09:13:12 -0600
From: John Sullivan <kg0mz@swbell.net>
To: baltimoremd@baltimoremd.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [90070] Re: Charging Multiple Gel Cells
Message-ID: <3A758888.E23EBDB5@swbell.net>

MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

"TRIPLE TRICKLE CHARGER BY MEYER - QST Dec97

Description: This circuit is designed to trickle charge small lead acid batteries. The board has positions for three outputs, each output turns on the charge current to each battery individually, and then cycles to the next battery based on a 555 timer. Power is supplied from a wall transformer. The major components required are a 555, 4017, three IRF511, and 7812."

All that from the Far Circuits web page. You can get a board from them for \$4.

I have had pretty good luck with this approach.

72 de kg0mz

baltimoremd@baltimoremd.com wrote:

>

> Wonder if there is a simple way to charge multiple gel cells?

Date: Mon, 29 Jan 2001 11:01:13 -0500
From: "ZOOM" <kandrparker@sympatico.ca>
To: <kg0mz@swbell.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [90071] Re: Charging Multiple Gel Cells
Message-ID: <001d01c08a0c\$b46f2f40\$39cdfea9@einstein>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The charger would have to be modified. Lead acid battery charger and a gel cell charger are two different things! If I remember correctly, a Gel Cell charger requires a peak sensing type of charger. I'll look into it and post my findings.

Regards
Robert
VE3RPF

----- Original Message -----
From: John Sullivan <kg0mz@swbell.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Monday, January 29, 2001 10:13 AM
Subject: Re: Charging Multiple Gel Cells

> "TRIPLE TRICKLE CHARGER BY MEYER - QST Dec97
>
> Description: This circuit is designed to trickle charge small lead acid
> batteries. The board has positions for three outputs, each output turns
> on the charge current to
> each battery individually, and then cycles to the next battery based on
> a 555 timer. Power is supplied from a wall transformer. The major
> components required are a
> 555, 4017, three IRF511, and 7812."
>
> All that from the Far Circuits web page. You can get a board from them
> for \$4.
>
> I have had pretty good luck with this approach.
>
> 72 de kg0mz
>
> baltimoremd@baltimoremd.com wrote:
> >
> > Wonder if there is a simple way to charge multiple gel cells?

Date: Mon, 29 Jan 2001 10:40:39 -0600
From: k1oj <k1oj@ditdit.com>
To: FQRP-L <fpqrp-l@mpna.com>, QRP-L <qrp-l@Lehigh.EDU>, TDXS-L <tdxs-list@moonbounce.n5iq.org>, nars-l <nars@qth.net>
Subject: [90072] Estate Tubes
Message-ID: <006601c08a12\$37082920\$0b01a8c0@k1oj>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Howdy all,
The tubes from the estate of K8CSG have been cataloged and priced. There are more than 300 types and more than 1500 tubes. What a chore! Check the list at www.ditdit.com .

OJ
ditdit

Reply To:

k1oj@ditdit.com
k5oj@ditdit.com
www.ditdit.com

Date: Mon, 29 Jan 2001 11:54:55 EST
From: KF4YYD@aol.com
To: <qrp-L@lehigh.edu>
Cc: <emtech@steadynet.com>
Subject: [90073] ZM-2 ATU Help
Message-ID: <db.f874ca6.27a6fa5f@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hello,

I need to get some construction advice on the building of the ZM-2 ATU. In particular the large torroid. The instructions say wind in the same direction clockwise or counter-clockwise on the whole torroid. If you wind the middle five turns first as in step one, won't you have to go in the opposite direction when you get to step three?

Thanks in advance,
Tom kf4yyd

Date: Mon, 29 Jan 2001 09:56:08 -0700
From: "Rod Cerkoney" <n0rc@hotmail.com>
To: n0rc@hotmail.com, qrp-l@Lehigh.EDU
Subject: [90074] Re: bilfilar winding questions
Message-ID: <F281wVN7miR90dutox700000216@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Quite some time ago I wrote asking about twisted vs. parallel windings on toroids. To all who answered, thank you.

One of the valuable "info nuggets" was a recommendation for:

Transmission Line Transformers -- by Jerry Sevick, W2FMI. 250 pages. Third Edition, (C) 1996, Noble Publishing. (ISBN: 1-884932-66-5) #7245 -- \$34.00

While shopping the ARRL web site I also found:

Building and Using Baluns and Ununs -- Practical Designs For The

Experimenter Second printing 1995, (C) 1994, CQ Communications, Inc. (ISBN: 0-943016-09-6) #7644 -- \$19.95

For those who may have both, is it worth getting the second book? Does it have a significant amount of information that is different from the first?

73, Rod N0RC
Fort Collins, CO

>From: "Rod Cerkoney" <n0rc@hotmail.com>
>Reply-To: n0rc@hotmail.com
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: bifilar winding questions
>Date: Tue, 5 Dec 2000 10:59:07 -0700
>
>Bifilar toroids are commonly wound with parallel windings or the wires
>twisted together. What characteristics of the device are most effected

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Date: Tue, 23 Jan 2001 11:48:29 -0600
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'w7ox@earthlink.net'" <w7ox@earthlink.net>, Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [90075] RE: 30 Metres
Message-ID:
<E78D8A9D6762D411B5440008C791D4AA01303363@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain

But I also believe that as "Amateurs", we should be as professional as possible in everything we do!

Karl K - W8TIF
McKinney, Texas

> -----Original Message-----
> From: Phil Wheeler [SMTP:w7ox@earthlink.net]
> Sent: Tuesday, January 23, 2001 11:51 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: 30 Metres
>
>

>
> Bruce Muscolino wrote:
> >
> > Guys,
> >
> > 30 meters has always been held contest free, along with the other WARC
> > bands. We did have TMPS a couple of years ago, but its format was not
> > like a fox hunt. The Thirty Meters Propagation Study just squeaked by
> > under the gentlemen's agreement. It did not have fixed operating
> > periods, rather it was a summer long activity period, that is why. I
> > have no problems with running it again. The rules and such should be on
> > the QRP-L website. I would not push our luck any further by trying to
> > call a contest type activity like the fox-hunt an activity period.
>
> Agree!
>
> > We are, after all, amateurs, let's behave like amateurs!
> >
>
> Indeed .. we should always be "amateurish" :-;
>
> 73, Phil W7OX

Date: Mon, 29 Jan 2001 11:26:05 -0500
From: ed.kwik@delphiauto.com
To: qrp-l@Lehigh.EDU
Subject: [90076] Another fine QRP SSB day for CQing....
Message-ID: <052569E3.005A8C68.00@usabhmg99.mail.delphiauto.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Folks,

If you have a microphone (and a radio it matches <grin>),
plug it in and give a shout.

Like several weekend days lately, I spent another
pleasant afternoon calling CQ on SSB and seeing
who would come back. Today it was 15 Qs on
10, 15, and 20 meters, including some of these
memories:

SNIP...

- AB8DF/qrp, Ed, who is a member of this list and a fellow user of Ten Tec gear -- in his case a nice 20+ year-old Triton IV
SNIP...

My old Triton is my only SSB capable rig. All the others are QRP kits and I have been very happy using the Triton and the other QRP rigs doing CW. I got an old mic a couple of months ago hoping that I can get the kids interested in Ham radio if they can talk. I tried several times to get the things to work on SSB but all I got were signal reports that were so bad that each time I would QRT in fear of violating a bunch of FCC signal purity regulations. Saturday was a very dreary cold winter day. The 10 year old was very bored. So I took her down the shack and tried to get her to do CW. After some instructions in using the key and writing out in dots and dashes for what she needed to send, we practiced for a while. It did not take long for her to ask, why can't I just talk? Well she went back to playing video games and I tried to get on SSB one more time. I tuned down to 75 Meters and heard a couple of local OT's in a QSO. It was around noon so the band was dead except for this one QSO. With a dead band what harm could I do? I tuned up and gave these guys a call. At first it was the same story as before. "I can hear a signal on frequency but I can not make anything out. Your rig must be broken." In the past I would QRT and put the mic away. This time I came back in CW to give my call and apologize. These OPs were glad that I came back in CW and said my fist was great and they could copy me OK. They were able to talk me through while I tried different settings for ALC and drive to where I had an acceptable signal. Seems that my QRP power supply, a five amp surplus Lambda job, just could not handle it unless I got the drive and ALC levels way down. Never been a problem on CW cuz I never have had the Triton over 5 watts. So now I was in business. The 10 year old was into her games but I got her to try talking on the radio. I had her call CQ several times on 20 meters without any luck. She went back to her games but I went to 10 meters. Got Africa for a new country. Went to 15 meters and heard Kevin call CQ/QRP. We had a good chat and got good signal reports. I went to 40 meters and worked a string of stations each overhearing that it is my first time on SSB and each wanting to report how good my signal sounded. All of them were amazed at how strong my QRP signal was. So on a dreary winter day I went from what I thought was a broken rig to "best audio I have heard in a long time". Isn't this a great hobby!

Ed AB8DF

Date: Mon, 29 Jan 2001 11:19:41 -0600
From: "Gene Sailsbury" <gsailsbury@mobil1.net>
To: <qrp-1@Lehigh.EDU>

Subject: [90077] QRP Kits:
Message-ID: <002a01c08a17\$ab7ab340\$eac03fd8@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for the information on back issues of QRPp. I would like to find some inbuilt kits for the following items. I got into QRP to late to get some of the nice kits that New Jersey and NorCal produced. Since I am on a fixed income I need to try getting into QRP CW very reasonable at this time. I just got my General in Sept 2000 and have not been on CW todate but want to do a lot of CW QRP. I am trying to get my speed up at this time. The 5 WPM test does not help you feel comfortable enough to make any QSOs. Thanks for listening and contact me at gsailsbury@mobill1.net if you have any of the following.

1. Rainbow Tuner
2. NorCal Sierra QRP Transceiver Kit
3. Rainbow Antenna Analyzer

Tnx for you help.

73

Gene Sailsbury KC0IKY
Pittsburg, Ks

Date: Mon, 29 Jan 2001 12:40:20 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>
Cc: ")W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [90078] WTB:Kenwood 850
Message-ID: <200101291240_MC2-C36B-D99F@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Gang:

Anyone have a Kenwood TS-850 you might be willing to part with? If so, please contact me directly (off-list). Thanks in advance.

72,
--Doc/K0EVZ

Date: Mon, 29 Jan 2001 09:44:21 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: gsailsbury@mobil1.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [90079] Re: QRP Kits:
Message-ID: <3A75ABF5.7D717FF1@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gene Sailsbury wrote:

>
> Thanks for the information on back issues of QRPP. I would like to find some
> inbuilt kits for the following items.

What do you mean by "inbuilt"? New to me.

> I got into QRP to late to get some of
> the nice kits that New Jersey and NorCal produced. Since I am on a fixed
> income I need to try getting into QRP CW very reasonable at this time. I
> just got my General in Sept 2000 and have not been on CW todote but want to
> do a lot of CW QRP. I am trying to get my speed up at this time. The 5 WPM
> test does not help you feel comfortable enough to make any QSOs.

There should be a fair amount of slow CW in the Novice segments. But not
all QRP kits cover these.

73, Phil W7OX

Date: Mon, 29 Jan 2001 11:47:04 -0600
From: "Gene Sailsbury" <gsailsbury@mobil1.net>
To: "Low power" <qrp-1@Lehigh.EDU>
Subject: [90080] QRP Kits:
Message-ID: <005701c08a1b\$7f2a42c0\$eac03fd8@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

I had a typo in the other mail. I should have typed UNBUILT KITS.
Thanks.
Gene KC IKY

Date: 29 Jan 2001 13:05:26 -0500
From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
To: n0rc@hotmail.com
Cc: qrp-1;;
Subject: [90081] Re: Low Pass PA Filters--Teach Me
Message-ID: <2001Jan29.130526-0500@[130.113.234.7]>

Rod,

Can't resist your attitude.....

You intend to use 2 output transistors in parallel, to get more power output than one alone would give. I take it that you intend to use the same DC supply voltage.

Now the equation that relates apparent transistor collector impedance ($R_{\text{collector}}$) to power output (P_o) goes like this:

$$R_{\text{collector}} = V_{\text{cc}}^2 / 2P_o$$

This equation says that to get more power out, you'll need to LOWER the collector impedance. What will happen, is that more collector current will flow from your (fixed) DC supply.

With more collector current flowing, a single 2N2222 may have difficulty - adding another to "share" this extra current is your intention.

To share effectively, both transistors should have the same current gain (h_{fe}). To aid sharing, you'll often see a small "ballasting" resistor in each transistor emitter. This resistor steals some output power, but prevents one transistor from hogging all the current (and then going up in smoke).

This resistor value is quite small - for QRP rigs it'll be in the one ohm ballpark, and could be even less if you've matched 2N2222 current gain (h_{fe}) carefully. You probably want to avoid wire-wound resistors here.

Two transistors will gobble more input power at the base. I hope that TT-2 drive power is adequate.

About spectrum cleanliness: If you have no measuring equipment, it is safer to engineer the filter with more attenuation than you need. Is the current spec for under-5W rigs about -30dB spur? Then design for -40 dB. Keeping filter Q low is good - this makes component tolerances less critical.

I use a grid-dip type meter to measure all my hand-wound toroids this way, since relying on "AL" winding values is a bit risky:

Solder on a known parallel resonating capacitor to the toroid.

Find resonant frequency with the dipper, and calculate inductance:

$$L = 1 / (4 \times \pi^2 \times f^2 \times C_p)$$

L comes out in henries, f is in units of Hertz, and C_p is in farads.

If you can eyeball the output sinewave (going into a 50 ohm dummy load) on a good scope with 50 MHz bandwidth, and see ANY distortions, then its likely that you're putting out too many spurs.
-Glen VE3DNL

Date: Mon, 29 Jan 2001 11:14:13 -0700
From: "Zoerb, Ron" <Zoerb.Ron@broadband.att.com>
To: "'QRP-1 Messages'" <qrp-1@lehigh.EDU>
Subject: [90082] FOX: Hunt #29 Final Log.... KI0II
Message-ID: <5899595F9867D311BC0A00805F57884D01FB6140@copland.tci.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="ISO-8859-1"

Hello All,

Here is the final log for Fox Hunt #29.

It was a pleasure from this end and hope to be able to participate in the future. This has been a very rewarding experience for two main reasons. 1) It has taught me a great deal and this will hopefully lead to better operating and CW skills on my part. 2) Amateur Radio is a great hobby because it is made up of really neat people and it allowed me to meet some of them or to get to know some better.

Thanks for the opportunity.

QS0#51 is K6VNX, Arlen in CA.

I must comment on the next to last contact, N4UY at 900 mw from one of his Tuna Tin II rigs. Jake some how managed to sneak through the noise and conditions and made it into the log. As a side note, while "trolling" 40 meters on Friday evening and stopping about 7.041 to call CQ, who answers me? Yep, N4UY on the TT II. That was fun!

72 Ron ki0ii

Here is the log:

0200	AA0ZZ	559	MN	CRAIG	5W
0202	NK7M	559	AZ	BOB	5W
0203	N4ROA	559	VA	DAN	4W
0204	K0EVZ	559	ND	DOC	5W

0205	NQ7X	559	AZ	FLOYD	5W
0209	VA6RF	559	AB	EARL	5W
0209	W0CH	559	MO	DAVE	5W
0210	K5AAR	559	OK	DON	5W
0214	W9XT	559	WI	GARY	5W
0215	W5USJ	559	TX	CHUCK	3W
0217	VE6JAZ	559	AB	ROB	5W
0218	N1LN	559	TX	BRUCE	5W
0219	N5TW	599	TX	TOM	5W
0220	N5IWE	579	TX	RAY	5W
0221	W0JOE	559	MO	JOE	5W
0223	N9AW	559	WI	JERRY	5W
0223	K7FD	559	OR	JOHN	5W
0225	W5SX	599	TX	BILL	5W
0226	N5UW	559	OK	CLIF	5W
0228	W5HNS	559	TX	HENRY	5W
0229	W0RSP	589	SD	ADE	5W
0230	K7RE	559	AZ	BRIAN	5W
0231	W0UFO	559	MT	MERT	5W
0232	W5YR	559	TX	GEORGE	5W
0233	K9DD	559	IL	JIM	5W
0234	N0AR	559	MN	SCOTT	4W
0234	K5DW	559	TX	DON	5W
0235	K2QO	599	NY	MARK	5W
0236	W0PWE	599	IA	JERRY	5W
0237	K0PC	559	MN	PAT	5W
0238	K0MP	559	CO	BILL	5W
0239	N2WW	559	CO	LARRY	5W
0239	AE9K	559	WI	BRIAN	5W
0241	KQ5U	559	TX	TERRY	5W
0244	AF4PS	559	FL	MAC	5W
0245	KK5LD	559	TX	DAN	5W
0248	VE5RC	559	SK	BRUCE	5W
0250	WA9TZE	559	WI	JIM	5W
0250	K5JHP	559	TX	BILL	5W
0252	N5EN	559	TX	STEVE	5W
0253	K5ZTY	559	TX	BILL	5W
0254	AC5JH	559	OK	TOM	5W
0255	K4BYF	559	FL	JACK	5W
0256	W5TB	559	TX	DOC	5W
0257	W9XU	559	WI	LON	5W
0258	KF4VTM	559	VA	DAN	5W
0258	N1FN	559	CO	ET	5W
0300	K4FB	559	FL	PAUL	5W
0301	K6VNX	559	CA	ARLEN	5W
0302	K5VUU	559	TX	ED	5W
0303	AA7XA	589	OR	FRANK	5W
0306	AK1P	559	CA	PAUL	5W

0307	N0UR	579	MN	JIM	5W
0308	N5JI	559	TX	JIM	5W
0311	WI4S	559	TN	JOHN	5W
0312	NK6A	559	CA	DON	5W
0316	AF4LQ	559	KY	MIKE	5W
0316	K10J	559	TX	OJ	5W
0319	WA5REJ	559	TX	JIM	5W
0320	WA7TQK	559	ID	WILL	5W
0321	K3IU	559	RI	KEN	5W
0322	K5LN	559	TX	BILL	5W
0324	W8SFF	559	MI	STEVE	5W
0325	AA7EQ	559	AZ	BOB	5W
0326	NK9G	559	WI	RICK	5W
0328	N6WG	559	CA	BOB	5W
0329	WE9K	599	WI	GLENN	5W
0330	N2CQ	599	NJ	KEN	5W
0332	KC1FB	559	CT	JIM	5W
0334	NW7DX	559	WA	BEN	5W
0335	WE6W	579	CA	ED	5W
0337	N5ET	559	TX	BOB	5W
0338	WA50PE	559	TX	ED	5W
0339	W2XN	559	FL	FRED	5W
0340	N1TP	559	FL	TOM	5W
0341	K5E0A	559	LA	WAYNE	5W
0342	N5IB	559	LA	JIM	5W
0344	AB0CD	559	CO	DICK	5W
0345	W5SD	559	TN	GEORGE	5W
0347	WU9F	599	WI	TERRY	5W
0348	KE5TF	559	TX	LINDA	5W
0350	WV9N	559	OH	RANDY	5W
0351	K5AEM	599	TX	JOHN	5W
0352	K8CV	559	MI	WALT	5W
0354	W5SB	559	TX	BILL	5W
0355	WB8ICN	589	MI	MIKE	5W
0356	N4VM	459	TN	BRYN	5W
0357	VE3FAL	559	ON	FRED	5W
0357	K0FRP	599	CO	AL	5W
0358	N9QIL	559	IN	KEN	5W
0359	N4UY	599	VA	JAKE	900mw
0359	W3ERU	559	MD	WES	5W
0400	KI0II	xxx	CO	FOX	5W

Date: Mon, 29 Jan 2001 10:42:34 -0800

From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-1@lehigh.edu>
Cc: <pmaciel@inow.com>
Subject: [90083] Who do I ask about subscription problems for QRPP??
Message-ID: <01c08a23\$3ef4e860\$330b0d0a@dhendricks>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, you may have noticed that we are having far, far fewer subscription problems with QRPP since Paul Maciel, AK1P started to handle the database. He took it over from me last spring, and since that time the mistakes and problems have dropped like Al Gore's popularity. Please if you have a question about your subscription to QRPP, the NorCal QRP Journal, send your emails to Paul at:

pmaciel@inow.com

He is the one who has the answer, not Jim, and not me. If you send it to us, we just forward it to Paul, and that increases the time for a response to you. If you are curious about whether or not you voted in the Florida election, please send all inquiries to the Florida Sec. of State, in charge of chads.

Also, the Viagra bottle in the St. Louis Paddle drawings was obtained from Dave Gauding. Just wanted to clear that one up. Paul Harden is very accurate with all of his illustrations, and he was right on with that one. Great job again Paul.

The winter issue was mailed last week, Monday to be exact, to all US addresses and was mailed to all DX addresses on Friday. (The reason for the delay was that the post office asked me to not bring it all in on the same day, as they have to figure the postage for each foreign address seperately as each country has a different rate and they have to look it up and then figure the postage by weight).

I want to thank all of the authors for their great contributions to QRPP. We are now back on schedule with the production and mailing of QRPP. The next issue will mail in April, thus I won't get the opportunity to promote two great events, Atlanticon and Arkiecon. Atlanticon is the last weekend of March and is in Timonium, MD and Arkiecon is April 7th at Ft. Smith, Arkansas. I urge you to attend these events as they are loads of fun.

We now have 1005 subscribers to QRPP. If you have let your subscription lapse because of our lateness in producing issues, we believe that we have that solved now. Our Fall and Winter issues both were on time and we have a goal of keeping every issue that way now. If you would like to

resubscribe, please send a check for \$15 per year (up to 2 years) for US and Canada, and \$20 per year DX to:

Jim Cates
3241 Eastwood Rd.
Sacramento, CA 95821

Please make the check or money order in US funds only and make it out to Jim Cates, NOT NorCal. 72, Doug, KI6DS

Date: Mon, 29 Jan 2001 12:36:35 -0700
From: "Rod Cerkoney" <n0rc@hotmail.com>
To: <leinwebe@mcmail.cis.McMaster.CA>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [90084] Re: Low Pass PA Filters--Teach Me
Message-ID: <0E64vjk022ZhCl8aii000001dbb@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Glen,

Now this is the kind of stuff I'm looking for, I truly appreciate it!

And to all other who replied so far, THANK YOU ALSO!! I'm slowly plowing my way through it all. But it's slow going, besides this and other projects, I'm also help my mother (85) move from Chicago to Ft Collins.

Glad it's winter & snowing otherwise you could add bicycle riding to the [T00] long list of things to do.... ;-)

----- Original Message -----

From: "Glen Leinweber" <leinwebe@mcmail.cis.McMaster.CA>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, January 29, 2001 11:05 AM
Subject: Re: Low Pass PA Filters--Teach Me

> Rod,
> Can't resist your attitude.....
> You intend to use 2 output transistors in parallel, to get more
> power output than one alone would give. I take it that you intend
> to use the same DC supply voltage.

Yes. I want to work through the details of designing and building in preparation for more complex projects. I thought something simple like this could be done Manhattan style and be good practice. I tossed in the extra PA transistor for an extra degree of difficulty. Ditto for the testing portion of my plans.

73, Rod NØRC
Ft Collins CO

Date: Mon, 29 Jan 2001 13:43:45 -0600 (CST)
From: "Robert M. Kimbrell" <kimbrell@sdf.lonestar.org>
To: Rohn Blake <rohn@pubrats.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [90085] Re: PSK31 adjustments using a 'scope?
Message-ID: <Pine.LNX.4.21.0101291338380.3964-100000@sdf.lonestar.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Rohn,

View your RF directly with the scope. While idling (transmitting without typing) it should look like a 2 tone linearity test of an SSB transmitter as shown in the ARRL handbook.

Bob Kimbrell AC7BN Kingman, Arizona
kimbrell@freeshell.org
<http://kimbrell.freeshell.org/>
SDF Public Access UNIX System - <http://sdf.lonestar.org>

On Sun, 28 Jan 2001, Rohn Blake wrote:

> I claim complete and absolute ignorance on this. Can someone give me some
> explanation (talk to me like I'm four) or point me to a web resource
> maybe?
>
> I've got access to a 15MHz dual trace oscilloscope (Tektronix T922), but
> no probes. Can I use this to view my PSK31 "something" and what would I be
> wanting to find and adjust for optimal?
>
> I really am clueless on this, but *very* excited at the chance to play
> with another new toy!
>
> Thanks in advance, and very 72/3!
> de Rohn, KRØHN
>

Date: Mon, 29 Jan 2001 15:16:00 EST
From: RangerSF5@aol.com
To: w7ox@earthlink.net, qrp-1@lehigh.edu
Subject: [90086] Re: QRP Kits:
Message-ID: <64.ac26a01.27a72980@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 1/29/01 6:46:37 PM W. Europe Standard Time,
w7ox@earthlink.net writes:

<<

There should be a fair amount of slow CW in the Novice segments. But not
all QRP kits cover these.

>>

Hi Phil and gang.

I may be wrong but I think the SW-40 just needs a add or remove 1 turn on 1
core and 1 cap value change and that will put it on the Novice band.

I did recall seeing the chart in the manual when I built one up and i'm sure
that's all it required.

Add the KC-1 and you have a hot little qrp rig.

Bob

WA2HOQrp <tm>

Date: Mon, 29 Jan 2001 12:27:56 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: gsailsbury@mobill1.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [90087] Re: QRP Kits:
Message-ID: <3A75D24C.A27A1656@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gene Sailsbury wrote:

>

> I had a typo in the other mail. I should have typed UNBUILT KITS.

> Thanks.

>

Gene,

An unbuilt Sierra, used, will likely be hard to find. You can buy one from Wilderness Radio, of course .. or go for a built used one.

Phil W70X

Date: Mon, 29 Jan 2001 15:29:55 -0500
From: Rick Robinson <rerobins@email.uncc.edu>
To: qrp-l@lehigh.edu
Subject: [90088] The Sierra and the DL QRP PA (long)
Message-ID: <v03102803b69b589c969e@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

If you have no interest in Sierras or in the DL QRP PA, you might want to hit the delete button. If you have one or the other, or are considering buying either, you might want to read on.

I own 2 Wilderness Sierras, one with the German DL QRP PA kit replacing the stock PA and one which has other modifications. Neither of my Sierras are stock. The non-DL Sierra, will be referred to as a Sierra Plus and it's mods are documented below. Both the DL and the Plus mods were done to increase the power output of a stock Sierra.

Since it's getting close to spring, I started getting my Sierras ready to travel to the field. The first thing I decided to do was measure current consumption of the DL and the Plus Sierras in order to figure out an optimum size battery supply for field work.

First a history lesson. You may have guessed I have a degree in history. ;^)

The DL QRP PA was a kit produced by the German group, Funk Amateur, in about 1998 as a club project. This is a very nice little board, about 2" X 2 1/2" (50 X 65 mm), part SMT part plated through technology, that is able to amplify a 100mW signal to a full 5W output on all bands from 160 - 6 meters. It is a well designed board and I have found it to operate as well or better than advertised. It mounts easily on the rear panel of a Sierra with 4 screws. Two short pieces of RG-174 connect it to the a drive control pot and the input and output circuitry on the Sierra along with a +12VDC line and the T/R signal line. On both the DL and Plus mods, the stock PA transistor 2N3553, or equivalent, is removed along with the stock choke L10 in the collector circuit.

The Plus mods began to appear around late 1997 and early 1998 in posts from

several qrp-1 members. The first mention of these mods that I've found appear to be the work of Roy, AB7CE, and Bob, AB7ST. (Derek Brown, WF4I, was the first person I know of to refer to a Sierra with these mods as a Sierra Plus. I'll give credit for the Sierra Plus name to Derek.) A Sierra Plus, has had the choke in the collector circuit of the stock 2N3553 replaced by a 4:1 impedance ratio transformer and the 2N3553 itself replaced by a higher power PA transistor. Several different transistors have been reported to be in use in Plus Sierras, SK9618, NTE342, MRF327, and the NTE742 among others. I chose the NTE342 due to it's easy availability locally and it's less than \$10 cost. The SK9618 and NTE342 both have the emitter connected to the mounting tab. Since the emitter is grounded, these transistors make for easy mounting on the Sierra's rear panel with no insulator needed, just a dab of heat conductive grease.

My test setup

Current was measured as the voltage drop across a 1 ohm 10W resistor, measured value 1.2 ohms, in series with the positive lead of the power supply. This voltage drop divided by 1.2 ohms gave me the current draw. The power supply is a Power One 15V 3A open frame linear supply set at 13.8VDC. The RF measuring setup consisted of each Sierra working into the same homebrew dummy load made of 4 200 ohm 2W carbon comp resistors in parallel, measured value 50.6 ohms on my Fluke DMM. A Tektronix 2219 measured the peak-to-peak voltage across the dummy load which I multiplied by .3535 to determine V RMS which was then squared and then divided by the value of my dummy load, 50.6 ohms, to determine RF power output.

With no signal present, both Sierras drew around 35mA. No discernible difference in receive current was noted between the 2 Sierras.

I first measured maximum power output of both Sierras on 80 meters at 3.686MHz. Then I figured the mA consumed vs. power output to give me an idea of how I should plan my battery supply.

DL	6.0W	output at 850mA	for 127mA/W
Plus	5.28W	output at 565mA	for 107mA/W

Next I decided to measure the current draw at certain power levels, again at 3.686 MHz.

DL	3.0W	output 558mA	for 186mA/W
Plus	3.0W	output 329mA	for 109.6 mA/W

DL	1.0W	output 404mA	for 404mA/W
Plus	1.0W	output 196mA	for 196mA/W

I then went to 28.060MHz to see how the maximum power output there compared.

DL 4.62W output 850mA for 184mA/W
Plus 4.4W output 573mA for 130mA/W

Out of curiosity I checked the max power of both Sierras at 7.040

DL 6.67W output 837mA for 125.5mA/W
Plus 7.2W output 690mA for 96mA/W

The data gives me a good idea of the operation of the DL PA and the Plus mods regarding power consumed versus power output. As you can see, the DL PA can be quite power hungry compared to the Sierra Plus, requiring from 70 to 100% more current than the Plus to produce the same power output. As power output is lowered, the ratio of mA drawn versus power output begins to become a problem for the DL amp.

If you are considering adding a DL module to you Sierra, you should ask yourself how you intend to use your Sierra. If the Sierra is your primary rig that will stay in the shack, then you may want to use a DL module for power increase. The Sierra is a great primary qrp rig IMO. If your Sierra will also be a backpacking or field rig, you may not want the extra current draw that the DL brings with it. There is also a financial consideration, the DL costs \$50US and the Plus mods will cost you \$10 or less depending on the transistor you choose to use and the state of your junkbox.

In all fairness to the designers of the DL QRP PA, I doubt backpacking or battery operation figured into the design equation. It was not designed for the Sierra per se, but as a general purpose 5W amplifier that could be incorporated into any qrp rig for extra power output. For this purpose it is a superb product.

I'd love to see someone post the data from a stock Sierra and compare it to my results for the DL and Plus. I initially built my DL Sierra as a stock Sierra and compared it with my Plus Sierra but have misplaced all my data. I do remember that the increase in current between a stock and Plus Sierra was not as significant as the difference between the DL and the Plus.

Enjoy those Sierras.

72,

Rick kf4ar

Date: Mon, 29 Jan 2001 12:33:12 -0800 (PST)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>
Subject: [90089] Good price on solar panels
Message-ID: <20010129203312.44075.qmail@web10004.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I just won the bidding on Ebay for a couple of solar panels. They are 12 inch square and are 17V at 300mA. They come with lugged terminals and a blocking diode. I paid \$49 for the pair including shipping. You can pay him via PayPal too. Just email him if you are interested. Here's the information on the price in case any one is interested.

solar <solar@cal.com> wrote:

>Yes the \$49.95 for 2 price that includes shipping. Yes we have
>more to
>sell and \$25 per panel + s/h works just great. We can safely ship 3
>panels
>per box. Shipping and handling is \$6.95 per box (containing 1,2, or 3
>panels).

Of course I wasn't paid thousands of dollars (wink, wink) under the table to mention it here.

73!

Jeff

=====

AB6MB

Stop censorship on mailing lists!

NorCal QRP Club #65, QRP-L #1780, ARCI 10071

Radical FIST Member 6798

Do You Yahoo!?

Yahoo! Auctions - Buy the things you want at great prices.

<http://auctions.yahoo.com/>

Date: Mon, 29 Jan 2001 20:35:28 -0000

From: "Tom Dufresne" <tdufres@hotmail.com>

To: qrp-l@lehigh.edu

Subject: [90090] QRP PCB help

Message-ID: <F34zDpubxcbz37cfJiY00003f57@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

I've been tinkering with QRP projects, and realize it would be nice to have a basic PCB designer. I dabble, and don't need real complex, multiple-layer-all-the-whistles-and-bells software, just basic! How about a program that will design working PCB's. It would ideally...

- 1) Allow me to put basic components on the board, with mouse, and move, rotate as needed. Locks 'em in to a grid too would be cool
- 2) Allow traces to be easily drawn in
- 3) Be easy to move components after drawing them if I screw up (no chance of that :)
- 4) Allow labeling
- 5) Let me print! (real important!)

I know there are some awesome programs out there, I've tried a few, and most are very complex or I'm completely too stupid to figure them out, or they are demo versions that are hamstrung, or fill in the blank.

I don't want something for nuthin', though ideally would be looking for freeware or shareware. Would pay a small sum if the program does what I need without needing a degree in computers. Ideas?

Thanks!

Tom

KC0GXX

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Mon, 29 Jan 2001 15:40:49 -0500

From: Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>

To: qrp-l@lehigh.edu

Subject: [90091] Fox: Fox #30 Announcement Second Reminder

Message-ID: <3A75D551.E64A38F3@eng14.rochny.uspra.abb.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hiya Hounds!

I will be the fox (subbing for KE1LA)

this coming Tuesday, January 30, 9 PM until 11 PM EST (Jan 31, 0200 - 0400 UTC)

Get them teeth nice and sharp.

I will be transmitting at 7.040 +/- and will be listening up 1 to 3 kHz.

I won't

call anyone on my frequency until the pile up thins out a lot.

I will be using this format:

<your call> RST NY TOM 5W <your call>

After your turn I will ask for any fills or send TU which will signal all hounds to call me again. Please listen and don't call on my sending frequency.

Hope the band will stay open and everybody gets a chance to get one of my pelts.

I will be using a TS850S throttled down to 5W and a ground mounted 40 meter quarter wave vertical. I will also be using paper logs as I have no computer in the shack :(

I am looking forward to the excitement and fun of working a REAL pile up!

GL es 73

Tom, kv2x

Date: Mon, 29 Jan 2001 15:41:53 EST
From: W2SH@aol.com
To: dandoooley@pipeline.com
Cc: qrp-l@lehigh.edu
Subject: [90092] Re: [fpqrp] Low Pass PA Filters--Teach Me
Message-ID: <1e.10a0499d.27a72f91@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

<<Rod, if you receive any private answers with good info on this topic, would you mind posting them publically?>>

<<Pubically>>???

I should hope not! QRP-L is family, not adult, entertainment.

Charles, W2SH

Date: Mon, 29 Jan 2001 14:41:14 -0600
From: "George, W5YR" <w5yr@att.net>
To: tdufres@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [90093] Re: QRP PCB help
Message-ID: <3A75D56A.7D0E7258@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have made board layouts for a commercial project using the TurboCAD program. It is a pure drafting program, but it has all the features that are needed for one or two-sided boards. The 2D version is very reasonable in cost at most computer stores. Also "talks" to AutoCAD . . .

72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6

Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

Date: Mon, 29 Jan 2001 12:47:44 -0800
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-l@lehigh.edu>
Subject: [90094] QRP Forums
Message-ID: <01c08a34\$bafab960\$330b0d0a@dhendricks>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Boy has our niche of the hobby ever changed in the last 10 years!! Just think about it. Ten years ago, there were only two QRP gatherings in the US that were held on a regular basis. Dayton and Hamcom. Dayton was held in April, and Hamcom in June. The rest of the year, nothing. Only 3 regularly published QRP Journals, qq, Sprat, and the Michigan QRP Club 5 Watter.

Dayton was just a bunch of guys that got together and talked during the evenings. There were a couple of forums at the Hamvention, but it was certainly not on the order of what we have today at qrp forums.

Atlanticon and Arkiecon were not even thought of. Yet today, these are two of the Major QRP events of the year. George Heron and the boys at the NJQRP Club out do themselves every year and always have the very best speakers. One reason is that the NJ QRP Club does such a good job is that they pour the excess funds derived from their kit sales back into QRP. They pay the airfare and hotel expenses of the speakers, and thus it is simple to explain why they can get the very best speakers in the QRP world to come. The winners in this are the QRPers, they get great projects at great prices, and then they get the opportunity to go to a world class QRP event, all because of the efforts of the guys in the NJ QRP Club. That is a true win-win situation. This year Atlanticon returns to the Timonium Hamfest. Wonder how long it will be before they change the name to Atlanticon? I can guarantee you one thing, qrpers all know what Atlanticon means. George tells me that they are again in the same hotel as the first year, and that it is going to be another great event. I was invited to come and speak, but had to decline, as I had already accepted another invitation from Jay Bromley to be the Master of Ceremonies at Arkiecon, and my principal would not give me the time off for two weeks in a row. I understand. But darn it, sure wish that I could have made it to the event. You guys will just have to give me the full report. Dave Benson, Jim Kortge, Chuck Adams, Tony Fishpool, Graham Firth and others all on the speaker list!! Wow.

If you want more information about Atlanticon, go to www.njqrp.org and click on the Atlanticon button. Take my advice, this is one that you don't want to miss if you are anywhere near the area. Drive all day and all night if you have to, but get there. I personally like the regional qrp forums better than Dayton now. I guess it is because the focus is on QRP at these events, and you aren't distracted by the huge crowds and the go, go go of Dayton. Just seems so impersonal. Atlanticon, Arkiecon, Hamcom, Ft. Tuthill, and Pacifcon all have an esprit de corps that is evident when you attend. By its nature, Dayton isn't like that, because it is the largest ham event in the world. You must see it once if you are a ham, but be prepared to be overwhelmed. The neat thing about Atlanticon and Arkiecon will be the fact that QRP is the main interest, the main raison t'etre, and the focus is there. It is like going home and visiting family. Everyone knows everyone else or soon will because of the size of the event. It is just a neat experience that you don't want to miss if you are a QRPer. I won't get to see you at Atlanticon this year, but Joe E. Dave M. Tony Gummer, Dave Benson, George Heron and all the rest of the NJ QRP gang will make you more than welcome and glad that you came. Say hello to them for me. 72, Doug

PS. This is not a detraction or attack on any other event, it is my opinion and the way that I truly feel. I have been to Dayton many times, and was

glad that I went every time, but I have a much better time at the regional forums, because of their size.

Date: Mon, 29 Jan 2001 15:46:28 -0500
From: Rick Robinson <rerobins@email.uncc.edu>
To: qrp-1@lehigh.edu
Subject: [90095] Re: QRP Kits:
Message-ID: <v03102808b69b85fc40d8@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gene Sailsbury KC0IKY writes;

>I would like to find some unbuilt kits for the following items.

Hi Gene,

>1. Rainbow Tuner

I have a Rainbow tuner, but the best qrp tuner on the market is the Emtech ZM-2 kit. It costs \$50 and is well worth the money. It is much more versatile than the Rainbow.

>2. NorCal Sierra QRP Transceiver Kit

I have 2 Wilderness Sierras and they are superb rigs for both use in the shack and also a portable backpacking rig. You can't go wrong with a Sierra. On 40 meters, they cover 7.0 to 7.15 which includes the 40 meter novice band.

>3. Rainbow Antenna Analyzer

I'm not sure what the story on the Rainbow Analyzer is. They don't seem to have ever been offered to the public. I've been wanting one but never heard of anyone who has one. If you get any information, please pass it along.

72,

Rick Robinson kf4ar

Date: Mon, 29 Jan 2001 20:52:09
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [90096] Interesting Opportunity
Message-ID: <F310J1hu3TS1NcY6WmX00003962@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Like to operate radio equipment from "small boats in the ocean" and live in "rustic housing" (whilst "maintaining a positive attitude")? Here is the position for you:

<http://hrweb.berkeley.edu/joblist/newlist.htm#SL>

Laboratory Assistant I
Environmental Science and Policy Management
\$1774 - 2056 (full-time rate)
01-236-20/SL (5 positions)
Closing date: 2/16/01

Job Duties: 56% position beginning 4/1/01 and ending 10/31/01. Assist in a Marble murrelet radio-telemetry and banding study conducted by UCB in Central California. Track radio-marked birds from trucks and planes, finding and monitoring nests, and capture birds at sea. Required qualifications: Must be able to lift heavy objects (up to 50 lbs.), work well with others, and maintain a positive attitude. Preferred qualifications: Experience with radio-telemetry and working on small boats in the ocean. Note: Must live on site near Davenport; rustic housing provided.

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Mon, 29 Jan 2001 16:03:01 -0500
From: "ZOOM" <kandrparker@sympatico.ca>
To: <w5yr@att.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [90097] Re: QRP PCB help
Message-ID: <003101c08a36\$de0042c0\$39cdfea9@einstein>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

TURBOCAD 2D by IMSI is a free download from their site. It's a free full version of TURBOCAD 2D.

For board layout I use winCircuit. The cost is \$30. It does allot and is easy to use.

Regards,
Robert
VE3RPF

----- Original Message -----

From: George, W5YR <w5yr@att.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Monday, January 29, 2001 3:41 PM
Subject: Re: QRP PCB help

> I have made board layouts for a commercial project using the TurboCAD
> program. It is a pure drafting program, but it has all the features that
> are needed for one or two-sided boards. The 2D version is very
> reasonable in cost at most computer stores. Also "talks" to AutoCAD . .
> .
>
> 72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6
> Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
> Amateur Radio W5YR, in the 55th year and it just keeps getting better!
> Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

Date: Mon, 29 Jan 2001 13:11:18 -0800
From: "Robert Friess" <rfriess@attglobal.net>
To: <tdufres@hotmail.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [90098] Re: QRP PCB help
Message-ID: <006b01c08a38\$06f07f00\$067d48a6@900mhzhp>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Tom,

Check out www.expresspcb.com. Their layout program is free, the boards are good quality and the prices are not too bad considering what you get.

No connection, just a happy customer.

Bob, N6CM

Date: Mon, 29 Jan 2001 21:17:40 +0000
From: alan.kaul@att.net
To: ki6ds@dph.dpol.net
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [90099] Re: Who do I ask about subscription problems for QRPP??
Message-ID:
<20010129211741.LTBD28450.mtiwmhc23.worldnet.att.net@webmail.worldnet.att.net>

One more question, Doug....

A slight bit of confusion on my part. I would have thought the issue just received was WINTER 2001. But the cover said Winter 2000. Since my subscription expires with "Winter 2001," was the cover date a typo? Or do I really have another year left??

BTW - the antenna primer was outstanding -- one of the best I've ever read. That's the kind of thing that someone might think about putting on a website (with permission, of course), with links to W4RNL's website and other worthwhile antenna-http-locations. Really informative!

72/73 de alan

--

Alan Kaul W6RCL e-mail: w6rcl@amsat.org
<http://worldnet.att.net/~alan.kaul/index.html>

> Guys, you may have noticed that we are having far, far fewer subscription
> problems with QRPP since Paul Maciel, AK1P started to handle the database.
> He took it over from me last spring, and since that time the mistakes and
> problems have dropped like Al Gore's popularity. Please if you have a
> question about your subscription to QRPP, the NorCal QRP Journal, send your
> emails to Paul at:
>
> pmaciel@inow.com
>
> He is the one who has the answer, not Jim, and not me. If you send it to
> us, we just forward it to Paul, and that increases the time for a response
> to you. If you are curious about whether or not you voted in the Florida
> election, please send all inquiries to the Florida Sec. of State, in charge
> of chads.
>
> Also, the Viagra bottle in the St. Louis Paddle drawings was obtained from

> Dave Gauding. Just wanted to clear that one up. Paul Harden is very
> accurate with all of his illustrations, and he was right on with that one.
> Great job again Paul.
>
> The winter issue was mailed last week, Monday to be exact, to all US
> addresses and was mailed to all DX addresses on Friday. (The reason for the
> delay was that the post office asked me to not bring it all in on the same
> day, as they have to figure the postage for each foreign address seperately
> as each country has a different rate and they have to look it up and then
> figure the postage by weight).
>
> I want to thank all of the authors for their great contributions to QRPP.
> We are now back on schedule with the production and mailing of QRPP. The
> next issue will mail in April, thus I won't get the opportunity to promote
> two great events, Atlanticon and Arkiecon. Atlanticon is the last weekend
> of March and is in Timonium, MD and Arkiecon is April 7th at Ft. Smith,
> Arkansas. I urge you to attend these events as they are loads of fun.
>
> We now have 1005 subscribers to QRPP. If you have let your subscription
> lapse because of our lateness in producing issues, we believe that we have
> that solved now. Our Fall and Winter issues both were on time and we have a
> goal of keeping every issue that way now. If you would like to
> resubscribe, please send a check for \$15 per year (up to 2 years) for US and
> Canada, and \$20 per year DX to:
>
> Jim Cates
> 3241 Eastwood Rd.
> Sacramento, CA 95821
>
> Please make the check or money order in US funds only and make it out to Jim
> Cates, NOT NorCal. 72, Doug, KI6DS
>

Date: Mon, 29 Jan 2001 16:21:46 -0500 (GMT+5)
From: <wd9eyb@butler.qrp.com>
To: qrp-l@lehigh.edu
Cc: wvara@butler.qrp.com
Subject: [90100] Klunky Guide
Message-ID: <Pine.LNX.3.95.1010129161954.15339A-100000@butler.qrp.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I've written a Klunky User's Guide.
<http://butler.qrp.com/~wd9eyb/klunky/guide.html>

The Klunky schematic editor is here.

<http://butler.qrp.com/~wd9eyb/klunky/>

Jim, WD9EYB

Date: Mon, 29 Jan 2001 13:30:58 -0800
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <alan.kaul@att.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [90101] Re: Who do I ask about subscription problems for QRPP??
Message-ID: <01c08a3a\$c52beb60\$330b0d0a@dhendricks>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Alan, no, the last issue of the year is the Winter 2000. Why? Well we started with Spring and end it with winter I guess??? Winter officially started on Dec. 21st and ends on March 21st. We hold off mailing the issue until January to avoid the Christmas mailing fiasco (we learned the hard way on that one).

Thanks for your comments on the issue. Jim Duffey is planning on putting it up on a web site and he will announce it when it is ready. Good to hear from you, and look forward to seeing you at the convention in Long Beach next year. Chuck and I will both be there, grinning and having fun. 72,
Doug

-----Original Message-----

From: alan.kaul@att.net <alan.kaul@att.net>
To: ki6ds@dph.dpol.net <ki6ds@dph.dpol.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Monday, January 29, 2001 1:15 PM
Subject: Re: Who do I ask about subscription problems for QRPP??

>One more question, Doug....

>

>A slight bit of confusion on my part. I would have
>thought the issue just received was WINTER 2001. But
>the cover said Winter 2000. Since my subscription
>expires with "Winter 2001," was the cover date a typo?
>Or do I really have another year left??

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>BTW - the antenna primer was outstanding -- one of the

>best I've ever read. That's the kind of thing that
>someone might think about putting on a website (with
>permission, of course), with links to W4RNL's website
>and other worthwhile antenna-http-locations. Really
>informative!
>
>72/73 de alan
>--
>Alan Kaul W6RCL e-mail: w6rcl@amsat.org
><http://worldnet.att.net/~alan.kaul/index.html>
>
>
>> Guys, you may have noticed that we are having far, far fewer subscription
>> problems with QRPP since Paul Maciel, AK1P started to handle the
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>> He took it over from me last spring, and since that time the mistakes and
>> problems have dropped like Al Gore's popularity. Please if you have a
>> question about your subscription to QRPP, the NorCal QRP Journal, send
your
>> emails to Paul at:
>>
>> pmaciel@inow.com
>>
>> He is the one who has the answer, not Jim, and not me. If you send it to
>> us, we just forward it to Paul, and that increases the time for a
response
>> to you. If you are curious about whether or not you voted in the Florida
>> election, please send all inquiries to the Florida Sec. of State, in
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>> of chads.
>>
>> Also, the Viagra bottle in the St. Louis Paddle drawings was obtained
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>> that solved now. Our Fall and Winter issues both were on time and we
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>> Canada, and \$20 per year DX to:
>>
>> Jim Cates
>> 3241 Eastwood Rd.
>> Sacramento, CA 95821
>>
>> Please make the check or money order in US funds only and make it out to
Jim
>> Cates, NOT NorCal. 72, Doug, KI6DS
>>

Date: Mon, 29 Jan 2001 15:35:30 -0600
From: "Tom K" <kkleiner@megsinet.net>
To: <qrp-1@Lehigh.EDU>
Subject: [90102] Re:ZM-2ATU Help
Message-ID: <200101292137.f0TLbKR52783@mail3.mx.voyager.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Tom

I finished mine about 2 weeks ago. Looking down at the top of the toroid,
yes you wind from right to left in step three, whereas it's left to right
in steps 1 and 2. You want to finish with all turns going in the same
direction (CW or CCW) when you look at the coil from one end, say terminal
#1.

Tom, N9HWC

Date: Mon, 29 Jan 2001 13:55:14 -0800
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-l@lehigh.edu>
Subject: [90103] More Atlanticon Speakers!!!!!!
Message-ID: <01c08a3e\$28fdc8e0\$330b0d0a@dhendricks>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, I just checked the NJQRP website, and there are more QRP speakers coming!! Rich Arland, the QST QRP columnist and expert on the world's best place to get a hotdog will be speaking. (Be sure and ask him about that one. Tell him that fellow ZuniLooper Doug told you to ask.) Joe Everhart, who is a member of the QRP Hall of Fame and George Heron who should be in the hall of fame and will be if there is ANY JUSTICE at all in the selection process, are also on the speaker list. Wow!! What a lineup and all at Timonium Hamfest (which will soon be better known by Atlanticon!!). Gonna be fun in Maryland in March. 72, Doug, KI6DS

Date: Mon, 29 Jan 2001 13:11:51 -0900
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [90104] Sold Re: For Sale: Oak Hills Research OHR100A 20 meter
Message-ID: <3A75EAA7.C918C485@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This rig is sold. Thank your for the replies.

73, Jim

--

Jim Larsen, AL7FS, Anchorage, Alaska
(BP51cc) - 61.101 North, 149.824 West
<http://www.qsl.net/al7fs/>

Jim Larsen AL7FS wrote:

>

> For Sale Oak Hills Research OHR100A 20 meter, \$95 plus shipping. This
> is \$35 off of the kit price. This rig works great and is the one I have
> been taking to the Lower 48 to use when traveling.

Date: Mon, 29 Jan 2001 14:15:10 -0800
From: Stephen M Smith <sigcom@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [90105] Antenna primer (was QRPP)
Message-ID: <20010129.141511.-1751915.4.sigcom@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Group,

Alan wrote: "BTW - the antenna primer was outstanding -- one of the best I've ever read."

Doug wrote: "Jim Duffey is planning on putting it up on a web site and he will announce it when it is ready."

Yep, it's a great write up. But, as Doug well knows, if you ever have the opportunity to see and hear "Dr. Megacycle" give his talk in person, >>Don't Miss It!!<<

I had the pleasure to attend his "lecture" at Pacificon in 1999 and it was one of the best, if not -the- best presentation, IMO.
What a riot! (and educational, too!)

Re: Atlanticon. Man O' Man! Dave Benson, Jim Kortge, Chuck Adams, Tony Fishpool, Graham Firth and even more?! You guys who can attend are gonna be livin'!!! If it was only those five guys it would be spectacular. But even more. WOW! I have yet to have the opportunity to hear Dave Benson speak but I've caught all the others. Especially Tony and Graham, two English gentlemen who are just a kick to be around and talk too. And the Maharishi's of Manhattan construction to boot! You will just drool when you see the construction quality of Jim's and Chuck's HB gear. Neat.

Wish I could be there. For those who can, have a ball!

73.....Steve, WB6TNL
Oxnard, CA

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Join Juno today! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Mon, 29 Jan 2001 10:38:56 -0800
From: Dan Presley <talljazz@teleport.com>
To: qrp-l@LeHigh.EDU
Subject: [90106] K2 reciever performance
Message-ID: <v03007862b69b687a7898@[216.26.60.106]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This first part is a quote from a posting on the Elecraft reflector by Eric Schwartz, and what follows is my observations on the same subject.

Dan,

Nice comments! Could you copy this one to qrp-l too?

73, Eric

> >For most multi conversion RX rigs their dynamic range degrades as soon
> as the
> >offending signals get inside their relatively wide 1st IF roofing filters
> >(anywhere from 10 to 25 kHz wide) and overload their following high gain
> >stages,
> >resulting in desense and intermodulation products. This produces a wide
> dip in
> >the graph as the signals approach the desired operating frequency.
> >
> >The K2 on the other hand uses a single conversion approach with its narrow
> >filters placed early in the RX chain. As a result the graph for the K2
> >only has
> >a very narrow dip in dynamic range very close into the desired RX signal.

> Hi folks-I wanted to add some 'real world' experience to back this up. I've
> never been one to pay a lot of attention to reciever performance specs, in
> part because I never was too sure if I understood what they were saying, or
> what it really meant to me as a 'user'. For the past 3 years I've been
> fortunate to be a 'fox' in the qrp-l contest/event (take your pick!). If
> you're not familiar with this, it's a 2 hour event held on 40M cw where one
> station is the designated 'fox', and everyone else tries to work the fox as
> a 'hound'. It's become very popular with upwards of maybe 2-300 hounds
> chasing a fox. It's the closest I've ever come to knowing what it's like to
> be a dx-type station where evryone is after you. In years past I've used
> some 'fancy store-bought rigs' with very tight (250Hz) cw filters to sort
> through the pileups, but what usually happened is just what's described

> above-overloading, desensing of the reciever and 'blowby', where it becomes
> hard to pick anyone out regardless of how tight you filter,passband shift
> or notch! This year, I used the K2 and noticed an amazing
> difference-although there were massive pileups calling me, I could hear and
> distinguish stations far better than in the past. I still could use more
> filtering; maybe an outboard dsp or audio filter, but the big difference
> was that as long as I could separate out a station, I could copy him
> without any overload, distortion, etc. My qso rate just about doubled from
> my previous fox runs, and a lot of this I attribute to the fine reciever
> and design by Wayne & Eric!
> A funny anectode from my last fox run-Mike,KK7GG (K2 owner as well) was
> with me in the shack for this event, and at one point he said,"I don't
> think you have your filter in its narrowest position (.10)-there's a lot of
> guys calling" So, I hit the filter switch to kick it back to the widest
> position. The resultant audio 'blast' caused him to fall backwards out of
> his chair, and 2 dogs to start barking! There were so many guys calling me
> that we broke down in laughter-propagation was really good that night :)
>

Dan Presley-N7CQR-Portland, Or QRP-L #502

Date: Mon, 29 Jan 2001 17:50:25 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: ki6ds@dph.dpol.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [90107] Re: QRP Forums
Message-ID: <3A75F3B1.533ACE01@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Doug,

You didn't mention us so I will! FIDM is held each year at Dayton. It is not impersonal or even 'go-go', it is held the day before the Hamfest opens so there is no conflict! It is now a product of the QRP-ARCI. You should all attend if you're going to Dayton!

73

Date: Mon, 29 Jan 2001 17:56:17 -0500
From: Bruce Muscolino <w6toy@erols.com>

To: tdufres@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [90108] Re: QRP PCB help
Message-ID: <3A75F511.77B3529F@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tom,

I like CIRCAD. It is a free download. There is nothing that it won't do. You might have to do a bit of studying, but it's all there except the mechanical routing of the boards. You can print and transfer your boards to PnP and etch them right there at home!

73

Date: Mon, 29 Jan 2001 14:09:13 -0900
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>
Subject: [90109] For Sale: Oak Hills Research OHR100 40 meter
Message-ID: <3A75F819.56E67BF@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For Sale Oak Hills Research OHR100 40 meter, \$90 plus shipping. This is \$40 off of the original kit price. This rig works great and is the one I have been taking to the Lower 48 to use when traveling.

Details:

picture of rig:

<http://www.alaska.net/~nclarsen/pictures/OHR100/OHR10040meter.jpg>

The OHR 100 CW Transceiver Kit \$129.95

The Oak Hills Research OHR100 single band, 5 watt, CW transceiver. IF bandwidth front-panel adjustable from 1200Hz down to 400Hz. RIT with a range of 1KHz, Four pole crystal IF filter. Can be aligned to cover 70Khz in a fairly wide band. The completed transceiver measures (HWD) 2 1/2" x 6" x 6" and weighs 24 oz.

Thanks.

73, Jim

--

Jim Larsen, AL7FS, Anchorage, Alaska
(BP51cc) - 61.101 North, 149.824 West
<http://www.qsl.net/al7fs/>

Date: Mon, 29 Jan 2001 18:10:14 -0500
From: Ray Sills <raysills@1stconnect.com>
To: QRP list <qrp-l@Lehigh.EDU>
Subject: [90110] 6 Meter QRP freq
Message-ID: <B69B6286.2395%raysills@1stConnect.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang:

It seems to me I heard that there was a movement to make 50.2 -the- calling freq for US monitoring. 50.125 was still for DX monitoring. In any event, I think the activity level on six is such that 50.2 would work nicely for all calling, QRP or QRO. After contact has been made, stations can move up or down. Maybe QSY down for QRP and QSY up for QRO stations?

73 de Ray
K2ULR
FN20t1

Date: Mon, 29 Jan 2001 16:15:56 -0700 (MST)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-canada@lists.gpfn.sk.ca, qrp-l@lehigh.edu
Cc: "Prof. Arnaldo Coro Antich" <inforhc@ip.etecca.cu>
Subject: [90111] [PROP] Rocky HF next 2 days
Message-ID: <Pine.SUN.4.10.10101291550350.2634-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,
An M-class flare yesterday (sunday) wasn't particularly spectacular, but it was a fairly large proton flare and associated CME (coronal mass ejection). The CME will not hit us directly, but will be a glancing blow to cause some minor geomagnetic storming tuesday. A indices of

around 20 (minor storm) is predicted.

The related proton event is more interesting. The >10MEV protons have been above threshold levels all day. These are protons striking the earth at nearly the speed of light ... thus, they become ionizing radiation to our upper atmosphere just as the x-ray radiation from the sun does every day. It is the ionizing radiation from the sun that ionizes our D, E and F layers. Of course ionizing the E and F layers is GOOD, as that raises the maximum usable frequency (MUF) and thus supports good skip propagation on the higher bands (above 10MHz). D-layer ionization is BAD, since the more ionized the D-layer is, the more attenuation to HF signals as it passes through the D-layer on their way to the E and F layers.

The additional ionization right now due to the >10MEV protons is GOOD for us in the middle latitudes. It means 15M will likely remain open longer after sundown than usual and better signal-to-noise ratios on 30M and above.

FOR HIGHER LATITUDES, like northern Canada, Alaska, etc. it's kinda BAD, since up there, this proton ionization is also adding extra ionization to the D-layer, making it more absorptive to HF signals. This is because the atmosphere/ionosphere is thinner near the poles, and additional ionizing radiation more easily penetrates down to the D-layer.

As a result, there is a POLAR CAP ABSORPTION (PCA) event in progress, although currently only adding about 2dB of extra absorption. Still, that's like sucking up 2W of your 5W signal. This condition should end by mid-day tomorrow.

An unexplained shockwave has triggered periods of minor storming and active conditions today. Tomorrow will see some more minor geomagnetic storming, then settling back to normal. The proton event will cause some difficulties for our friends up north, while improving skip propagation on the higher bands for the rest of us, with some periods of north-south and over the pole propagation.

Today's solar flux was 165 and A-index was 6.
Tomorrow's predicted values are 160 for solar flux, and A-index 15-20 due to the minor storming. Pretty much back to normal by Wednesday and the rest of the week/next weekend.

Estimated values for FYB0 are:
Solar flux 160-165 (10M could be open)
A-index 6-7 (typical noise on 40M)

72, Paul NA5N

Date: Mon, 29 Jan 2001 18:42:35 EST
From: RangerSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [90112] FS QRP rigs
Message-ID: <8a.1b23dc4.27a759eb@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang,
I have 2 NC 40-A rigs and want to sell one.
They both are a # 10 on the scale.
One rig has the 10-K pot and stock power out appx. 2.5.
Rig # 2 has the 5 watt mod but the 1 K pot.
Both have the KC-1 keyer an an extra key jack so that you can use you're own
key/keyer.
Price is \$125.00 + shipping.
I'm also selling the ARK-20.
This rig is in 100% mint condition.
It's had the updated final and aligned by S&S.
Front mounted speaker,CW filter, built in keyer,RIT,EXT. speaker jack.
Puts out close to 4 watts into a dummy load.
Has to have the best RX of any QRP rig on the market.
Full band coverage and solid as a rock.
\$225.00+shipping.
The usual HQQ 24 hour try it out sale.
If you decide you don't like it then you get a full refund -shipping
Bob
WA2HOQrp <tm>

End of QRP-L Digest 2082

